

Friden* 6010 Electronic Computer with 6018 Magnetic Disc File



A WHOLE PAYROLL ON A SINGLE DISC!



Yes, you can store all necessary information for a payroll of 960 persons on one Friden* 6018 disc—specifically, 122,880 alphanumeric characters. You can use other discs for your invoicing, or inventory, or accounting, or whatever data you have that requires fast processing on the Friden 6010 Electronic Computer. ■ With the announcement of the Friden 6018 Magnetic Disc File, Friden offers the only available small-scale computer system with random access magnetic disc storage. This means that small and medium-sized companies can afford the advanced data processing techniques previously restricted to large companies. ■ The 6018 Magnetic Disc File operates on-line with the 6010 Electronic Computer. Each side of a disc contains 960 individually addressable computer words of 64 characters each, or a total of 61,440 characters of on-line storage. Because the discs are interchangeable, off-line storage is unlimited. ■ Features include automatic address verification, which assures that each record is properly located, and variable length data capability, which permits use of records of any size. Although standard word length is 64 characters, words may be expanded up to 512 characters. ■ Data may be recorded on the disc through the 6011 Flexowriter* (the basic input-output unit of the system), or directly from the 6010 central processor. ■ The entire system—6010 Electronic Computer and 6018 Magnetic Disc File—takes up little more space than a secretary's desk. It may be plugged into any standard wall outlet. Air conditioning is not necessary. ■ Here is a low-cost, small-scale system that embodies the most advanced electronic data processing techniques. Why not find out how its money-saving capabilities can work for your company? Your local Friden Systems man has the facts. Call him soon.

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Magnetic discs, which weigh only 14 ounces, can be changed in about 30 seconds. Discs not in use are kept in compartments within the 6018 console.

THIS IS THE FRIDEN 6018 MAGNETIC DISC FILE

A low-cost, random access memory unit for the Friden 6010 Electronic Computer



SPECIFICATIONS:

6018 MAGNETIC DISC FILE

PROCESSING SPEEDS

Access Time	6 ms minimum 180 ms average 360 ms maximum
Latency Time	0 ms minimum 25 ms average 50 ms maximum

OPERATIONAL CHARACTERISTICS

Disc	1,200 r.p.m. Data transfers at 50 ms per character to 6010 central processor, 100 ms per character to 6011 Flexowriter
Read/Write Head	Contacts disc with pressure equivalent to 1 gram

DATA ORGANIZATION/CAPACITY

7 bits per character	122,880 characters per disc
64 characters per word	61,440 characters per disc side (maximum on-line storage)
8 words per track	512 characters per track
60 tracks per zone	64 characters per word (expandable to 512 characters, or one track)
2 zones per disc side	

DIMENSIONS/WEIGHT

Console	17 ³ / ₄ " by 18 ¹ / ₂ " by 27" high; 120 lbs.
Disc	12" diameter; 14 oz.

6010 ELECTRONIC COMPUTER

INTERNAL OPERATING SPEEDS

Add/Subtract	1.3 ms
Multiply	50 ms average
Division and Square Root	program subroutine
Input/Output	10 characters per second (all operating speeds include core access)

MEMORY

Variable Storage	240 decimal digits of core memory in 15 words of 16 digits each
Fixed Storage	80 decimal digits in 5 words of 16 digits each

POWER REQUIREMENTS

105-115 volts, AC, 60 cycles
($\pm 1/2$ cycle) 2 amperes maximum

Your local Friden office can give you complete details on how the Friden 6010 Electronic Computer with 6018 Magnetic Disc File can improve operations in your company. Why not call now? Or write to/ _____

Friden, Inc.

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SALES AND SERVICE THROUGHOUT THE WORLD

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